

IN THE CLAIMS:

Please cancel claims 1, 2 and 5 without prejudice to or disclaimer of the subject matter presented therein. Please amend claims 3, 6, 7 and 8, and add new claim 9, as shown below. The claims, as pending in the subject application, read as follows:

1. (Cancelled)

2. (Cancelled)

3. (Currently Amended) ~~The solar power generation system according to claim 1~~ method according to claim 8, wherein ~~the~~ said cooling means is a cooling means in which a fluid coolant is used.

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) ~~The solar power generation system according to claim 1~~ method according to claim 8, wherein said solar power generation system has a power conversion means for ~~the~~ said electric energy output of ~~the~~ said solar cell and an output detection means for ~~the~~ said electric energy output of ~~the~~ said solar cell, ~~where~~ and wherein said output

detection means is provided such that said output detection means is included in said power conversion means.

7. (Currently Amended) ~~The solar power generation system according to claim 1~~ method according to claim 8, wherein said solar power generation system has a mechanism for tracking the sun.

8. (Currently Amended) A method for controlling a solar cell in a solar power generation system, comprising the steps of:

- (a) detecting an electric energy output of said solar cell,
- (b) computing a magnitude of a rise in the temperature of said solar cell based on said detected output of said solar cell,
- (c) adding said computed temperature rise magnitude to a prescribed estimate temperature of said solar cell to presume a temperature of said solar cell at a current time,
- (d) computing a temperature difference between said presumed temperature and a temperature range within which the temperature of said solar cell is intended to ~~control~~ be controlled,
- (e) computing a forcible cooling drive magnitude for lowering said temperature difference by a cooling means for cooling said solar cell, and
- (f) driving said cooling means so as to meet said computed forcible cooling drive magnitude by means of a control means.

9. (New) The method according to claim 8, wherein said prescribed estimate temperature is selected from a plurality of previously determined standard temperature values for an atmosphere where the solar cell is installed, each of said plurality of standard temperature values corresponding to a respective one of a plurality of predetermined time points of the year.